

ABSTRACT**GRINDING BALLS AND THEIR MANUFACTURING METHOD**

5 The present invention relates to grinding balls made of fritted ceramic comprising a compound of alumina silicate ($\alpha\text{Al}_2\text{O}_3.\beta\text{SiO}_2$) and in particular mullite ($3\text{Al}_2\text{O}_3.2\text{SiO}_2$), zirconia (ZrO_2) and alumina (Al_2O_3).